

**Illinois  
Endangered  
Species  
Protection  
Board**

**BIENNIAL REPORT**

JULY 1, 2018 – JUNE 30, 2020

**ENDANGERED SPECIES PROTECTION BOARD AS OF JUNE 30, 2020**

**Members:**

Dr. Angelo Capparella

Dr. Janice Coons

Dr. Tracy Evans

Dr. Jeremie Fant

Dr. Joyce Hofmann

Bruce Ross-Shannon

Randall Schietzelt

Dr. Philip Willink

one vacancy

Chris Young, designee of Illinois Department of Natural Resources Director Colleen Callahan

**Staff:**

None

## PREFACE

The Illinois Endangered Species Protection Act, originally enacted in August 1972 and revised in July 1986 and January 2000, requires that the Illinois Endangered Species Protection Board prepare and make available a report of its accomplishments biennially. An initial report was prepared and made available for the period July 1986 - June 1988. Biennial reports were not prepared for the biennia that ended in 1990, 1992, 1994, 1996, 1998, and 2000. A report prepared and made available by Board members covered the period July 2000 – June 2002 and included highlights from the previously unreported biennia. In July 2002, the Board’s budget was reduced and then eliminated due to funding shortages in the State of Illinois and, as a result, Board staff was laid off. Until November 2008, the Board functioned with only part-time or no staff. In spring 2009, the Board’s newly hired full-time staff person, an Executive Director, completed a report for the period July 2006 – June 2008 that included highlights for the periods July 2002 – June 2004 and July 2004 - June 2006. The Executive Director subsequently prepared reports for the biennia ending in 2010, 2012, and 2014. In September 2015 the Board was informed that its funding had again been eliminated, resulting in the loss of staff. The Board Chair, with assistance from the Illinois Department of Natural Resources, prepared a report for the period July 2014 – June 2016. The Chair and Board member Evans produced and submitted a report for the biennium ending in 2018. The last six biennial reports are posted on the Board’s website ([www2.illinois.gov/dnr/ESPB](http://www2.illinois.gov/dnr/ESPB)). The current report, prepared by the Board Chair, with input from the other Board members, covers the biennium July 2018 – June 2020.

## **INTRODUCTION**

The Illinois Endangered Species Protection Board (Board/ESPB) was created by the Illinois Endangered Species Protection Act in 1972. The publication “The Illinois Endangered Species Protection Act at Forty: A Review of the Act’s Provisions and the Illinois List of Endangered and Threatened Species” presents a history of the Board and is available on the Board’s website ([www2.illinois.gov/dnr/ESPB](http://www2.illinois.gov/dnr/ESPB)).

Statute requires that the Board biennially prepare and make available a report of its accomplishments. This report, prepared by the Board Chair, with the assistance of the other Board members, covers activities during two fiscal years – July 1, 2018 through June 30, 2020.

### **STATUTORY MANDATES AND RESPONSIBILITIES PERTAINING TO THE ILLINOIS ENDANGERED SPECIES PROTECTION BOARD**

That the Endangered Species Protection Board exist (520 ILCS 10/6);

That the Board maintain and update the List of Illinois Endangered and Threatened Species (Illinois List/List) as warranted and no less often than every five years (520 ILCS 10/7);

That the Board hold a public hearing when making revisions to the Illinois List (520 ILCS 10/7);

That the Board advise the Illinois Department of Natural Resources (Department/IDNR) on methods of assistance, protection, conservation, and management of endangered and threatened species and their habitats, and on related matters (520 ILCS 10/6);

That the Board hold meetings no less often than quarterly (520 ILCS 10/6);

That the Board produce a report of accomplishments, biennially (520 ILCS 10/6);

That the Department seek the advice of the Board as it plans and implements a program for the conservation of endangered and threatened species (520 ILCS 10/11);

That the Department shall consult with and gain written approval from the Board when promulgating rules for the issuance and maintenance of endangered and threatened species permits (520 ILCS 10/4); and

That the Department seek the advice of the Board and provide written response to any Board comments regarding the issuance and terms of authorization for incidental taking of endangered and threatened species (17 Ill. Adm. Code 1080.40 (a)(7)).

## **COMPOSITION OF THE BOARD**

The Board is composed of nine members appointed by the Governor, with the Director of the IDNR (or the Director's designee) serving as a nonvoting member. By statute at least six of the appointed Board members must be "recognized as naturalists by training, avocation, or vocation" and the membership must include at least two zoologists, one botanist, and two ecologists. Board members are appointed for a term of three years and continue to serve until replaced. All Board members complete online Open Meetings Act training. They receive no compensation other than actual travel expenses. During the 2018 - 2020 biennium Board members donated more than 1130 hours of their time to the State.

The Board functions with three elected Executive Officers: Chair, Vice-chair, and Secretary. At the 183<sup>rd</sup> meeting in August 2019, Dr. Joyce Hofmann was elected Chair, Dr. Janice Coons Vice-Chair, and Dr. Tracy Evans Secretary.

## **BOARD STAFF**

Since September 2015 the Board has had no staff due to the elimination of its funding by the Governor's Office. Board members have been performing tasks necessary to comply with the Board's legal mandates. Department personnel have provided valuable assistance to the Board, especially Office of Resource Conservation Director Chris Young. Lisa Bulinski and Kristi Sorenson provided administrative services, while Marni English and Emily Brodt, an intern with the Department, updated the Board's website during the biennium. Jeannie Barnes of the Illinois Natural History Survey supplied the Board's Endangered Species Technical Advisory Committees (ESTACs) with records from the Illinois Natural Heritage Database during the revision of the Illinois List of Endangered and Threatened Species. Without Board staff, however, it has not been possible to meet some of the Board's responsibilities as fully as in previous times or to conduct discretionary activities that would further the protection and conservation of Illinois' endangered and threatened species.

## **QUARTERLY MEETINGS**

The Board convened seven regularly scheduled quarterly meetings during the biennium. Due to the COVID-19 pandemic, the 186<sup>th</sup> meeting scheduled for May 15, 2020 was postponed until August 2020. Meetings were conducted in compliance with the Open Meetings Act (OMA) and a quorum was present for all meetings. Board meetings had previously been held at various locations throughout Illinois, but all meetings during the biennium took place at the Midewin National Tallgrass Prairie Visitor Center in Wilmington. This has been a central location for Board members and has reduced travel costs. Agendas and minutes for all Board meetings are posted on the Board's website.

### **Quarterly Meeting Dates and Locations July 2018 – June 2020**

179	8/17/2018	Midewin National Tallgrass Prairie, Wilmington, Illinois
180	11/16/2018	Midewin National Tallgrass Prairie, Wilmington, Illinois
181	2/8/2019	Midewin National Tallgrass Prairie, Wilmington, Illinois
182	5/17/2019	Midewin National Tallgrass Prairie, Wilmington, Illinois
183	8/16/2019	Midewin National Tallgrass Prairie, Wilmington, Illinois
184	11/15/2019	Midewin National Tallgrass Prairie, Wilmington, Illinois
185	2/22/2020	Midewin National Tallgrass Prairie, Wilmington, Illinois

### **BIENNIAL REPORT**

A biennial report for July 2016 – June 2018 was prepared by Chair Hofmann and Board member Evans and approved by the Board at its 178<sup>th</sup> meeting in May 2018. The report was posted on the Board’s website and sent to the State Library, the Governor’s Office of Management and Budget, and the General Assembly Legislative Research Unit. The present report covering the period July 1, 2018 – June 30, 2020 was approved by the Board at the 187<sup>th</sup> meeting on October 9, 2020.

### **ILLINOIS LIST OF ENDANGERED AND THREATENED SPECIES**

During the 2018 – 2020 biennium the Board worked to finish its review and revision of the Illinois List of Endangered and Threatened Species (Illinois List/List), the current List having become effective on May 15, 2015. The Board had established Endangered Species Technical Advisory Committees (ESTACs) composed of experts in specific taxonomic groups (mammals, birds, amphibians and reptiles, fish, invertebrates, and plants) to assist with the review and revision of the Illinois List. The ESTACs function is to review records from the Department’s Illinois Natural Heritage Database and other scientific data to assess the current status of listed species and make recommendations to the Board for any changes. The committees may also recommend placing additional species on the Illinois List. All ESTAC members completed OMA training and committee meetings complied with the Act. The zoological ESTACs each met once during the 2016 - 2018 biennium.

Because of the large number of plants listed as endangered and threatened in Illinois, the Plant ESTAC held three regional meetings. The first regional meeting took place at the Illinois Natural History Survey in Champaign on May 25, 2018 to discuss the plants of central and western Illinois. On August 24, 2018 the ESTAC met at the Midewin National Tallgrass Prairie Visitor Center in Wilmington and reviewed the plants of northern Illinois. Plants of southern Illinois were reviewed when the ESTAC met at the Shawnee National Forest office in Harrisburg on November 9, 2018. The ESTAC held an additional meeting on February 6, 2019 at the Illinois Natural History Survey to finalize its recommendations. Members of the Plant ESTAC are listed in Appendix 1.

At its 179<sup>th</sup> meeting in August 2018 the Board gave preliminary approval to a petition to change the status of the Bigeye Chub (*Hybopsis ambiops*) from endangered to threatened.

At its 180<sup>th</sup> meeting in November 2018 the Board gave preliminary approval to petitions for the following changes to the Illinois List:

- change the status of the Redspotted Sunfish (*Lepomis miniatus*) from endangered to threatened
- add the Mottled Sculpin (*Cottus bairdii*) to the List as threatened
- add the Ozark Minnow (*Notropis nubilus*) to the List as threatened
- change the status of the Downy Solomon's Seal (*Polygonatum pubescens*) from threatened to endangered

At its 181<sup>st</sup> meeting in February 2019 the Board gave preliminary approval to petitions to change the status of the Prairie Buttercup (*Ranunculus rhomboideus*) from threatened to endangered and add the Butternut (*Juglans cinerea*) to the List as endangered. The Board preliminarily approved taxonomic changes for three listed reptiles and two typographical errors in the 2015 Illinois List were noted for correction.

At its 182<sup>nd</sup> meeting in May 2019 the Board gave preliminary approval to petitions for the following changes to the Illinois List:

- remove Fibrous-rooted Sedge (*Carex communis*) from the List
- remove Mountain Clematis (*Clematis occidentalis*) from the List
- remove Beaked Hazelnut (*Corylus cornuta*) from the List
- add the Spring Cavefish (*Forbesichthys agassizii*) to the List as threatened
- add Harvey's Buttercup (*Ranunculus harveyii*) to the List as threatened
- add Cluster Fescue (*Festuca paradoxa*) to the List as threatened
- add White-edge Sedge (*Carex debilis*) to the List as endangered
- add Hickey's Groundpine (*Dendrolycopodium hickeyi*) to the List as endangered
- change the status of Pitcher's Thistle (*Cirsium pitcheri*) from threatened to endangered
- change the status of Tamarack (*Larix laricina*) from threatened to endangered
- change the status of Hill Prairie Larkspur (*Delphinium carolinianum*) from threatened to endangered
- change the status of Narrow-leaved Sunflower (*Helianthus angustifolius*) from threatened to endangered
- change the status of Old Plainsman (*Hymenopappus scabiosaeus*) from threatened to endangered

The Board almost gave preliminary approval to taxonomic changes for several listed plant species that need to be incorporated into the revised List.

At its 183<sup>rd</sup> meeting the Board approved a list of additional changes to the scientific nomenclature of listed species and voted to give the Chair the authority to correct any typographical errors found in the 2015 Illinois List. The Board gave preliminary approval to petitions seeking the following changes to the Illinois List:

- change Banded Killifish (*Fundulus diaphanus*) to Western Banded Killifish (*Fundulus diaphanus menona*)
- add Opaque Oval Sedge (*Carex opaca*) to the Illinois List as endangered

add Eastern Straw Sedge (*Carex straminea*) to the Illinois List as endangered  
add White Bergamot (*Monarda clinopodia*) to the Illinois List as threatened  
add Cat's Claw (*Mimosa nuttallii*) to the Illinois List as endangered  
change the status of Virginia Bunchflower (*Melanthium virginicum*) from threatened to endangered

change the status of Leafy Bulrush (*Scirpus polyphyllus*) from threatened to endangered  
The Board also voted to change the Illinois status of the wolf (*Canis lupus*) from threatened to endangered to match its federal status. The Board then confirmed all of its preliminary listing decisions for the revision of the Illinois List.

A public hearing on the Board's proposed changes was held on October 11, 2019 (see the following section).

At its 184<sup>th</sup> meeting in November 2019 the Board considered comments from the public and confirmed its final list of proposed changes to the Illinois List.

The Chair and Dr. Bridget Henning, IDNR, prepared amended Administration Rules containing the Illinois List of Endangered and Threatened Fauna (17 Ill. Adm. Code 1010; Appendix 2) and the Illinois List of Endangered and Threatened Flora (17 Ill. Adm. Code 1050; Appendix 3). The amended Administrative Rules were submitted to the Department in December 2019 for review by legal counsel and approval by the Director.

The amended Administrative Rules were published in the Illinois Register (First Notice) on February 21, 2020. The Department responded to public comments received following First Notice and prepared Second Notice documents on behalf of the Board.

The Joint Committee on Administrative Rules gave approval to the amended Administrative Rules at its meeting on May 20, 2020 and the Rules became effective on May 28, 2020 (Appendix 2). The 2020 List includes 486 species (36 fish, nine amphibians, 18 reptiles, 29 birds, eight mammals, 53 invertebrates, and 333 plants). A 2020 checklist of Illinois endangered and threatened species is posted on the Board's website. The 2015 checklist and a summary of changes during the 2020 revision are also available on the website.

## **PUBLIC HEARING**

A public hearing on the proposed changes to the Illinois List of Endangered and Threatened Species was held at the Illinois Department of Natural Resources building in Springfield on October 11, 2019. Dr. Tracy Evans served as the hearing officer. There were no comments from the public during the meeting. The comment period remained open for two weeks and four written comments were received. The Board responded to all comments.

## **ADDITIONAL ACTIVITIES DURING THE BIENNIUM**

The Board held a special joint meeting with the Illinois Nature Preserves Commission in Springfield on January 21, 2020. Department staff gave presentations on topics of

interest to the Board and Commission at the meeting.

Chair Hofmann attended the 230<sup>th</sup> meeting of the Illinois Nature Preserves Commission in Cypress on September 11, 2018; the Commission's 231<sup>st</sup> meeting in Springfield on January 29, 2019; and its 234<sup>th</sup> meeting in Springfield on January 22, 2020. Board member Schietzelt represented the Board at the Commission's 232<sup>nd</sup> meeting in Crystal Lake on May 14, 2019. Board member Capparella attended the Commission's 233<sup>rd</sup> meeting in Mattoon on September 10, 2019 as the Board's representative. A report on Board activities was prepared for all Commission meetings during the biennium.

Board members Coons and Fant attended meetings of the Botanical ESTAC to act as facilitators and record minutes.

All Board members completed mandatory Illinois Ethics and Sexual Harassment Prevention training during 2018 and 2019.

As required by statute, the Department continued to submit draft Incidental Take Authorizations (ITAs) to the Board for its advice. Since the Board had no staff to review these draft ITAs, individual Board members provided the Department with comments on some of these documents.

# Appendix 1

## Members of the Plant ESTAC (approved at the 176<sup>th</sup> meeting)

Dr. Timothy Bell - Chicago State University (retiree)  
Christopher Benda - Southern Illinois University/Illinois Natural History Survey  
Paul Marcum - Illinois Natural History Survey  
Susanne Masi - Chicago Botanic Garden (retiree)  
William McClain - Illinois Nature Preserves Commission  
Randy Nyboer - Illinois Department of Natural Resources (retiree)  
Elizabeth Shimp - U.S. Forest Service  
Dr. Greg Sypreas - Illinois Natural History Survey  
Dr. John Taft - Illinois Natural History Survey (retiree, Affiliate)  
Eric Ulaszek - Illinois Natural History Survey  
John Wilker - Illinois Department of Natural Resources

## Appendix 2

### 17 Ill. Adm. Code 1010 containing the Illinois List of Endangered and Threatened Fauna

TITLE 17: CONSERVATION  
CHAPTER I: DEPARTMENT OF NATURAL RESOURCES  
SUBCHAPTER c: ENDANGERED SPECIES

PART 1010  
ILLINOIS LIST OF ENDANGERED AND THREATENED FAUNA

Section	
1010.10	Official List
1010.20	Definitions (Repealed)
1010.25	Criteria Used for Listing
1010.30	List
1010.40	Effective Date (Repealed)

**AUTHORITY:** Implementing and authorized by Section 7 of the Illinois Endangered Species Protection Act [520 ILCS 10].

**SOURCE:** Filed December 21, 1977, effective December 31, 1977; codified at 5 Ill. Reg. 10653; amended at 8 Ill. Reg. 13705, effective July 25, 1984; amended at 13 Ill. Reg. 4179, effective March 17, 1989; amended at 16 Ill. Reg. 103, effective December 20, 1991; amended at 18 Ill. Reg. 1134, effective January 18, 1994; recodified by changing the agency name from Department of Conservation to Department of Natural Resources at 20 Ill. Reg. 9389; amended at 21 Ill. Reg. 3118, effective March 3, 1997; amended at 23 Ill. Reg. 5556, effective April 26, 1999; amended at 28 Ill. Reg. 12895, effective September 1, 2004; amended at 33 Ill. Reg. 14739, effective October 30, 2009; amended at 34 Ill. Reg. 12866, effective August 20, 2010; emergency amendment at 34 Ill. Reg. 15892, effective October 1, 2010, for a maximum of 150 days; amended at 35 Ill. Reg. 4196, effective February 22, 2011; amended at 39 Ill. Reg. 7982, effective May 19, 2015; amended at 44 Ill. Reg. \_\_\_\_\_, effective May 28, 2020.

#### **Section 1010.10 Official List**

The following list has been adopted by the Illinois Endangered Species Protection Board as the Official List of Endangered and Threatened Fauna of Illinois.

(Source: Amended at 8 Ill. Reg. 13705, effective July 25, 1984).

#### **Section 1010.20 Definitions (Repealed)**

(Source: Repealed at 39 Ill. Reg. 7982, effective May 19, 2015)

#### **Section 1010.25 Criteria Used for Listing**

- a) A species shall be included on the Official List when one or more of the following criteria exist:
- 1) Species or subspecies designated as federally endangered or threatened.
  - 2) Species proposed for Federal Endangered or Threatened status that occurs in Illinois.
  - 3) Species that formerly were widespread in Illinois but have been nearly extirpated from the State due to habitat destruction, collecting, or other pressures resulting from the development of Illinois.
  - 4) Species that exhibit very restricted geographic ranges of which Illinois is a part.
  - 5) Species that exhibit restricted habitats or low populations in Illinois.
  - 6) Species that are significant disjuncts in Illinois, i.e., the Illinois population is far removed from the rest of the species' range.
- b) A species will be removed from the Official List if it no longer fulfills one or more of the criteria in subsection (a), except for a species that no longer fulfills the criteria because it no longer inhabits Illinois. The determination will be made pursuant to Section 7 of the Endangered Species Protection Act [520 ILCS 10/7].

(Source: Amended at 35 Ill. Reg. 4196, effective February 22, 2011)

### **Section 1010.30 List**

All federally designated endangered or threatened animal species and subspecies have been automatically listed as endangered or threatened under the Illinois Endangered Species Protection Act and placed on the Illinois List by the Board and are protected under the Act even though their names do not appear in this Section. Only those federally designated endangered or threatened animal species and subspecies known to occur in Illinois are designated as Illinois-endangered or Illinois-threatened by the Board and their names appear in this Section. Users should refer to the US Fish and Wildlife Service website at <http://www.fws.gov/endangered/> for a complete listing of all federally designated endangered and threatened species and subspecies.

a) **ENDANGERED FISHES OF ILLINOIS**

Lake Sturgeon	<i>Acipenser fulvescens</i>
Western Sand Darter	<i>Ammocrypta clara</i>
Cisco	<i>Coregonus artedi</i>
Crystal Darter	<i>Crystallaria asprella</i>
Bluebreast Darter	<i>Etheostoma camurum</i>
Harlequin Darter	<i>Etheostoma histrio</i>

Cypress Minnow  
Pallid Shiner  
Northern Brook Lamprey  
Sturgeon Chub  
Greater Redhorse  
River Chub  
Pugnose Shiner  
Bigeye Shiner  
Blacknose Shiner  
Taillight Shiner  
Weed Shiner  
Northern Madtom  
Pallid Sturgeon\*\*

Hybognathus hayi  
Hybopsis amnis  
Ichthyomyzon fossor  
Macrhybopsis gelida  
Moxostoma valenciennesi  
Nocomis micropogon  
Notropis anogenus  
Notropis boops  
Notropis heterolepis  
Notropis maculatus  
Notropis texanus  
Noturus stigmosus  
Scaphirhynchus albus

b) THREATENED FISHES OF ILLINOIS

Eastern Sand Darter  
Longnose Sucker  
Mottled Sculpin  
Gravel Chub  
Spring Cavefish  
Western Banded Killifish

Starhead Topminnow  
Brassy Minnow  
Bigeye Chub  
Least Brook Lamprey  
Redspotted Sunfish  
Bantam Sunfish  
American Brook Lamprey  
River Redhorse  
Ironcolor Shiner  
Blackchin Shiner  
Ozark Minnow

Ammocrypta pellucida  
Catostomus catostomus  
Cottus bairdii  
Erimystax x-punctatus  
Forbesichthys agassizii  
Fundulus diaphanus subsp.  
menona  
Fundulus dispar  
Hybognathus hankinsoni  
Hybopsis amblops  
Lampetra aepyptera  
Lepomis miniatus  
Lepomis symmetricus  
Lethenteron appendix  
Moxostoma carinatum  
Notropis chalybaeus  
Notropis heterodon  
Notropis nubilus

c) ENDANGERED AMPHIBIANS AND REPTILES OF ILLINOIS

Salamanders

Silvery Salamander  
Hellbender  
Spotted Dusky Salamander

Ambystoma platineum  
Cryptobranchus alleganiensis  
Desmognathus conanti

### Turtles

Spotted Turtle	<i>Clemmys guttata</i>
Blanding's Turtle	<i>Emydoidea blandingii</i>
Yellow Mud Turtle	<i>Kinosternon flavescens</i>
Alligator Snapping Turtle	<i>Macrochelys temminckii</i>
River Cooter	<i>Pseudemys concinna</i>

### Snakes

Coachwhip	<i>Coluber flagellum</i>
Southern Watersnake	<i>Nerodia fasciata</i>
Great Plains Ratsnake	<i>Pantherophis emoryi</i>
Eastern Massasauga*	<i>Sistrurus catenatus</i>

## d) THREATENED AMPHIBIANS AND REPTILES OF ILLINOIS

### Salamanders

Jefferson Salamander	<i>Ambystoma jeffersonianum</i>
Four-toed Salamander	<i>Hemidactylium scutatum</i>
Mudpuppy	<i>Necturus maculosus</i>

### Frogs and Toads

Eastern Narrow-mouthed Toad	<i>Gastrophryne carolinensis</i>
Bird-voiced Treefrog	<i>Hyla avivoca</i>
Illinois Chorus Frog	<i>Pseudacris illinoensis</i>

### Turtles

Smooth Softshell	<i>Apalone mutica</i>
Ornate Box Turtle	<i>Terrapene ornata</i>

### Snakes

Kirtland's Snake	<i>Clonophis kirtlandii</i>
Timber Rattlesnake	<i>Crotalus horridus</i>
Plains Hog-nosed Snake	<i>Heterodon nasicus</i>
Mississippi Green Watersnake	<i>Nerodia cyclopion</i>
Flat-headed Snake	<i>Tantilla gracilis</i>
Eastern Ribbonsnake	<i>Thamnophis saurita</i>
Lined Snake	<i>Tropidoclonion lineatum</i>

## e) ENDANGERED BIRDS OF ILLINOIS

Short-eared Owl	<i>Asio flammeus</i>
Upland Sandpiper	<i>Bartramia longicauda</i>
American Bittern	<i>Botaurus lentiginosus</i>

Swainson's Hawk	<i>Buteo swainsoni</i>
Piping Plover**	<i>Charadrius melodus</i>
Black Tern	<i>Chlidonias niger</i>
Northern Harrier	<i>Circus hudsonius</i>
Little Blue Heron	<i>Egretta caerulea</i>
Snowy Egret	<i>Egretta thula</i>
Common Gallinule	<i>Gallinula galeata</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
Black Rail	<i>Laterallus jamaicensis</i>
Swainson's Warbler	<i>Limnithlypis swainsonii</i>
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>
Wilson's Phalarope	<i>Phalaropus tricolor</i>
King Rail	<i>Rallus elegans</i>
Forster's Tern	<i>Sterna forsteri</i>
Common Tern	<i>Sterna hirundo</i>
Least Tern**	<i>Sternula antillarum</i>
Bewick's Wren	<i>Thryomanes bewickii</i>
Greater Prairie-Chicken	<i>Tympanuchus cupido</i>
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>

f) THREATENED BIRDS OF ILLINOIS

Chuck-will's-widow	<i>Antrostomus carolinensis</i>
Rufa Red Knot*	<i>Calidris canutus rufa</i>
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>
Least Bittern	<i>Ixobrychus exilis</i>
Osprey	<i>Pandion haliaetus</i>
Cerulean Warbler	<i>Setophaga cerulea</i>

g) ENDANGERED MAMMALS OF ILLINOIS

Gray/Timber Wolf**	<i>Canis lupus</i>
Rafinesque's Big-eared Bat	<i>Corynorhinus rafinesquii</i>
Southeastern Myotis	<i>Myotis austroriparius</i>
Gray Bat**	<i>Myotis grisescens</i>
Indiana Bat**	<i>Myotis sodalis</i>

h) THREATENED MAMMALS OF ILLINOIS

Eastern Small-footed Bat	<i>Myotis leibii</i>
Northern Long-eared Bat*	<i>Myotis septentrionalis</i>
Franklin's Ground Squirrel	<i>Poliocitellus franklinii</i>

i) ENDANGERED INVERTEBRATE ANIMALS OF ILLINOIS

Snails

Iowa Pleistocene Snail**	<i>Discus macclintocki</i>
Hydrobiid Cave Snail	<i>Fontigens antroecetes</i>
Onyx Rocksnail	<i>Leptoxis praerosa</i>
Shawnee Rocksnail	<i>Lithasia obovata</i>

Mussels

Fanshell**	<i>Cyprogenia stegaria</i>
Elephant-ear	<i>Elliptio crassidens</i>
Northern Riffleshell**	<i>Epioblasma rangiana</i>
Snuffbox**	<i>Epioblasma triquetra</i>
Spike	<i>Eurynia dilatata</i>
Pink Mucket**	<i>Lampsilis abrupta</i>
Wavy-rayed Lampmussel	<i>Lampsilis fasciola</i>
Higgins Eye**	<i>Lampsilis higginsii</i>
Scaleshell**	<i>Leptodea leptodon</i>
Spectaclecase**	<i>Margaritifera monodonta</i>
Orangefoot Pimpleback**	<i>Plethobasus cooperianus</i>
Sheepnose**	<i>Plethobasus cyphus</i>
Clubshell**	<i>Pleurobema clava</i>
Ohio Pigtoe	<i>Pleurobema cordatum</i>
Fat Pocketbook**	<i>Potamilus capax</i>
Kidneyshell	<i>Ptychobranthus fasciolaris</i>
Ebonysell	<i>Reginaia ebenus</i>
Salamander Mussel	<i>Simpsonia ambigua</i>
Rabbitsfoot*	<i>Theliderma cylindrica</i>
Purple Lilliput	<i>Toxolasma lividum</i>
Rainbow	<i>Villosa iris</i>

Crustaceans

Isopod	<i>Caecidotea lesliei</i>
Anomalous Spring Amphipod	<i>Crangonyx anomalus</i>
Packard's Cave Amphipod	<i>Crangonyx packardi</i>
Indiana Crayfish	<i>Faxonius indianensis</i>
Kentucky Crayfish	<i>Faxonius kentuckiensis</i>
Shrimp Crayfish	<i>Faxonius lancifer</i>
Bigclaw Crayfish	<i>Faxonius placidus</i>
Illinois Cave Amphipod**	<i>Gammarus acherondytes</i>
Iowa Amphipod	<i>Stygobromus iowae</i>

Scorpions

Common Striped Scorpion	Centruroides vittatus
Dragonflies	
Elfin Skimmer	Nannothemis bella
Hine's Emerald Dragonfly**	Somatochlora hineana
Springtails	
Madonna Cave Springtail	Pygmarrhopalites madonnensis
Stoneflies	
Robust Springfly	Diploperla robusta
Central Forestfly	Prostoia ozarkensis
Bees	
Rusty Patched Bumble Bee**	Bombus affinis
Leafhoppers	
Leafhopper	Athysanella incongrua
Butterflies and Moths	
Swamp Metalmark	Calephelis muticum
Cobweb Skipper	Hesperia metea
Ottoo Skipper	Hesperia ottoe
Hoary Elfin	Incisalia polios
Karner Blue Butterfly**	Lycaeides melissa samuelis

j) THREATENED INVERTEBRATE ANIMALS OF ILLINOIS

Mussels	
Purple Wartyback	Cyclonaias tuberculata
Butterfly	Ellipsaria lineolata
Monkeyface	Quadrula metanevra
Leafhoppers	
Redveined Prairie Leafhopper	Aflexia rubranura
Butterflies and Moths	
Eryngium Stem Borer	Papaipema eryngii
Regal Fritillary	Speyeria idalia

\* Federally designated threatened species

\*\* Federally designated endangered species

(Source: Amended at 44Ill. Reg \_\_\_\_\_, effective May 28, 2020)

## Appendix 3

### 17 Ill. Adm. Code 1050 containing the Illinois List of Endangered and Threatened Illinois Flora

TITLE 17: CONSERVATION  
CHAPTER I: DEPARTMENT OF NATURAL RESOURCES  
SUBCHAPTER c: ENDANGERED SPECIES

PART 1050  
ILLINOIS LIST OF ENDANGERED AND THREATENED FLORA

Section	
1050.10	Official List
1050.20	Definitions (Repealed)
1050.25	Criteria Used For Listing
1050.30	Endangered Flora of Illinois
1050.40	Threatened Flora of Illinois

**AUTHORITY:** Implementing and authorized by Section 7 of the Illinois Endangered Species Protection Act [520 ILCS 10].

**SOURCE:** Adopted at 4 Ill. Reg. 22, p. 209, effective May 20, 1980 unless otherwise noted; amended at 5 Ill. Reg. 10293, effective September 30, 1981; codified at 6 Ill. Reg. 2593; amended at 8 Ill. Reg. 13713, effective July 25, 1984; amended at 13 Ill. Reg. 3755, effective March 13, 1989; amended at 14 Ill. Reg. 6123, effective April 17, 1990; amended at 17 Ill. Reg. 10781, effective July 1, 1993; amended at 18 Ill. Reg. 1142, effective January 18, 1994; recodified by changing the agency name from Department of Conservation to Department of Natural Resources at 20 Ill. Reg. 9389; amended at 22 Ill. Reg. 21902, effective December 3, 1998; amended at 28 Ill. Reg. 12904, effective September 1, 2004; amended at 33 Ill. Reg. 14748, effective October 30, 2009; amended at 39 Ill. Reg. 7993, effective May 19, 2015; amended at 44 Ill. Reg. \_\_\_\_\_, effective May 28, 2020.

#### **Section 1050.10      Official List**

The lists appearing in Sections 1050.30 and 1050.40 have been adopted by the Illinois Endangered Species Protection Board as the Official Lists of Endangered and Threatened Flora of Illinois.

(Source: Amended at 22 Ill. Reg. 21902, effective December 3, 1998)

#### **Section 1050.20 Definitions (Repealed)**

(Source: Repealed at 39 Ill. Reg. 7993, effective May 19, 2015)

## Section 1050.25 Criteria Used For Listing

- a) A species shall be included on the Official List when one or more of the following criteria exists:
- 1) Species or subspecies designated as federally endangered or threatened.
  - 2) Species proposed for Federal Endangered or Threatened status that occur in Illinois.
  - 3) Species that formerly were widespread in Illinois but have been nearly extirpated from the State due to habitat destruction, collecting, or other pressures resulting from the development of Illinois.
  - 4) Species that exhibit very restricted geographic ranges of which Illinois is a part.
  - 5) Species that exhibit restricted habitats or low populations in Illinois.
  - 6) Species that are significant disjuncts in Illinois, i.e., the Illinois population is far removed from the rest of the species' range.
- b) A species will be removed from the Official List if it no longer fulfills one or more of the criteria in subsection (a), except for a species that no longer fulfills the criteria because it no longer grows in Illinois. The determination will be made pursuant to Section 7 of the Endangered Species Protection Act [520 ILCS 10/7].

(Source: Amended at 39 Ill. Reg. 7993, effective May 19, 2015)

## Section 1050.30 Endangered Flora of Illinois

All federally designated endangered or threatened animal species and subspecies have been automatically listed as endangered or threatened under the Illinois Endangered Species Protection Act and placed on the Illinois List by the Board and are protected under the Act even though their names do not appear in this Section. Only those federally designated endangered or threatened animal species and subspecies known to occur in Illinois are designated as Illinois-endangered or Illinois-threatened by the Board and their names appear in this Section. Users should refer to the US Fish and Wildlife Service website at <http://www.fws.gov/> endangered/for a complete listing of all federally designated endangered and threatened species and subspecies.

### SCIENTIFIC NAME

### COMMON NAME

#### EQUISETACEAE

*Equisetum scirpoides*

Dwarf Scouring Rush

*Equisetum sylvaticum*

Woodland Horsetail

#### HYMENOPHYLLACEAE

*Vandenboschia boschiana*

Filmy fern

#### ISOETACEAE

<i>Isoetes butleri</i>	Butler's Quillwort
LYCOPODIACEAE	
<i>Dendrolycopodium dendroideum</i>	Ground Pine
<i>Dendrolycopodium hickeyi</i>	Hickey's Groundpine
<i>Lycopodium clavatum</i>	Running Pine
<i>Lycopodiella inundata</i>	Bog Clubmoss
OPHIOGLOSSACEAE	
<i>Botrychium campestre</i>	Prairie Moonwort
<i>Botrychium matricariifolium</i>	Daisyleaf Grape Fern
<i>Botrychium multifidum</i>	Northern Grape Fern
<i>Botrychium simplex</i>	Dwarf Grape Fern
<i>Sceptridium bitermatum</i>	Southern Grape Fern
POLYPODIACEAE	
<i>Asplenium bradleyi</i>	Bradley's Spleenwort
<i>Asplenium resiliens</i>	Black Spleenwort
<i>Cystopteris laurentiana</i>	Laurentian Fragile Fern
<i>Dennstaedtia punctilobula</i>	Hay-scented Fern
<i>Dryopteris celsa</i>	Log Fern
<i>Gymnocarpium dryopteris</i>	Oak Fern
<i>Gymnocarpium robertianum</i>	Scented Oak Fern
<i>Phegopteris connectilis</i>	Long Beech Fern
<i>Thelypteris noveboracensis</i>	New York Fern
<i>Woodsia ilvensis</i>	Rusty Woodsia
CUPRESSACEAE	
<i>Juniperus horizontalis</i>	Trailing Juniper
PINACEAE	
<i>Larix laricina</i>	Tamarack
<i>Pinus banksiana</i>	Jack Pine
<i>Pinus echinata</i>	Shortleaf Pine
<i>Pinus resinosa</i>	Red Pine
ALISMATACEAE	
<i>Echinodorus tenellus</i>	Small Burhead
<i>Sagittaria australis</i>	Arrowhead
ARACEAE	
<i>Calla palustris</i>	Water Arum
COMMELINACEAE	
<i>Tradescantia bracteata</i>	Prairie Spiderwort
CYPERACEAE	
<i>Carex alata</i>	Winged Sedge
<i>Carex arkansana</i>	Arkansas Sedge
<i>Carex brunnescens</i>	Brownish Sedge
<i>Carex canescens</i>	Silvery Sedge
<i>Carex chordorrhiza</i>	Cordroot Sedge
<i>Carex crawfordii</i>	Crawford's Sedge

<i>Carex cumulata</i>	Sedge
<i>Carex debilis</i>	White-edge Sedge
<i>Carex decomposita</i>	Cypress-knee Sedge
<i>Carex diandra</i>	Sedge
<i>Carex disperma</i>	Shortleaf Sedge
<i>Carex echinata</i>	Sedge
<i>Carex formosa</i>	Sedge
<i>Carex garberi</i>	Elk Sedge
<i>Carex gigantea</i>	Large Sedge
<i>Carex heliophila</i>	Plains Sedge
<i>Carex intumescens</i>	Swollen Sedge
<i>Carex nigromarginata</i>	Black-edged Sedge
<i>Carex oligosperma</i>	Few-seeded Sedge
<i>Carex opaca</i>	Opaque Oval Sedge
<i>Carex physorhyncha</i>	Bellow's Beak Sedge
<i>Carex plantaginea</i>	Plantain-leaved Sedge
<i>Carex reniformis</i>	Reniform Sedge
<i>Carex straminea</i>	Eastern Straw Sedge
<i>Carex trisperma</i>	Three-seeded Sedge
<i>Carex tuckermanii</i>	Tuckerman's Sedge
<i>Eleocharis olivacea</i>	Capitate Spikerush
<i>Eleocharis pauciflora</i>	Few-flowered Spikerush
<i>Eriophorum virginicum</i>	Rusty Cotton Grass
<i>Fimbristylis vahlii</i>	Vahl's Fimbry
<i>Rhynchospora alba</i>	Beaked Rush
<i>Rhynchospora glomerata</i>	Clustered Beak Rush
<i>Schoenoplectus purshianus</i>	Pursh's Bulrush
<i>Schoenoplectus smithii</i>	Smith's Bulrush
<i>Scirpus hattorianus</i>	Bulrush
<i>Scirpus microcarpus</i>	Small-fruited Bulrush
<i>Scirpus polyphyllus</i>	Leafy Bulrush
<i>Scleria muhlenbergii</i>	Muhlenberg's Nut Rush
<i>Scleria pauciflora</i>	Carolina Whipgrass
<i>Trichophorum cespitosum</i>	Tufted Bulrush
IRIDACEAE	
<i>Sisyrinchium atlanticum</i>	Eastern Blue-eyed Grass
<i>Sisyrinchium montanum</i>	Mountain Blue-eyed Grass
JUNCACEAE	
<i>Juncus vaseyi</i>	Vasey's Rush
<i>Luzula acuminata</i>	Hairy Woodrush
LILIACEAE	
<i>Camassia angusta</i>	Wild Hyacinth
<i>Chamaelirium luteum</i>	Fairy Wand
<i>Medeola virginiana</i>	Indian Cucumber Root

Melanthium virginicum  
Polygonatum pubescens  
Trillium cernuum  
Trillium erectum  
Trillium viride  
Zigadenus elegans

Virginia Bunchflower  
Downy Solomon's Seal  
Nodding Trillium  
Ill-scented Trillium  
Green Trillium  
White Camass

#### ORCHIDACEAE

Calopogon oklahomensis  
Calopogon tuberosus  
Corallorhiza maculata  
Cypripedium acaule  
Cypripedium parviflorum  
Cypripedium reginae  
Hexalectris spicata  
Isotria medeoloides\*  
Isotria verticillata  
Platanthera ciliaris  
Platanthera clavellata  
Platanthera leucophaea\*  
Platanthera psycodes  
Pogonia ophioglossoides  
Spiranthes lucida  
Spiranthes vernalis

Oklahoma Grass Pink Orchid  
Grass Pink Orchid  
Spotted Coral-root Orchid  
Moccasin Flower  
Small Yellow Lady's Slipper  
Showy Lady's Slipper  
Crested Coralroot Orchid  
Small Whorled Pogonia  
Whorled Pogonia  
Orange Fringed Orchid  
Wood Orchid  
Eastern Prairie Fringed Orchid  
Purple Fringed Orchid  
Snake-mouth  
Yellow-lipped Ladies' Tresses  
Spring Ladies' Tresses

#### POACEAE

Avenella flexuosa  
Beckmannia syzigachne  
Bouteloua gracilis  
Calamagrostis insperata  
Dichanthelium boreale  
Dichanthelium joorii  
Dichanthelium portoricense  
Dichanthelium ravenelii  
Dichanthelium yadkinense  
Elymus trachycaulus  
Glyceria arkansana  
Melica mutica  
Poa alsodes  
Poa languida  
Poa wolfii  
Schizachne purpurascens  
Torreyochloa pallida

Hairgrass  
American Slough Grass  
Blue Grama  
Hollow Reed Grass  
Northern Panic Grass  
Panic Grass  
Hemlock Panic Grass  
Ravenel's Panic Grass  
Panic Grass  
Bearded Wheat Grass  
Arkansas Manna Grass  
Two-Flowered Melic Grass  
Grove Bluegrass  
Weak Bluegrass  
Wolf's Bluegrass  
False Melic Grass  
Pole Manna-Grass

#### PONTERDERIACEAE

Heteranthera reniformis

Mud Plantain

#### POTAMOGETONACEAE

Potamogeton praelongus	White-stemmed Pondweed
Potamogeton pulcher	Spotted Pondweed
Potamogeton robbinsii	Fern Pondweed
Potamogeton strictifolius	Stiff Pondweed
SPARGANIACEAE	
Sparganium americanum	American Bur-reed
Sparganium emersum	Green-fruited Bur-reed
ACANTHACEAE	
Justicia ovata	Water Willow
ADOXACEAE	
Adoxa moschatellina	Moschatel
AMARANTHACEAE	
Iresine rhizomatosa	Bloodleaf
APIACEAE	
Conioselinum chinense	Hemlock Parsley
Cynosciadium digitatum	Cynosciadium
Eryngium prostratum	Eryngo
Ptilimnium nuttallii	Mock Bishop's Weed
Sanicula smallii	Southern Black Snakeroot
ASCLEPIADACEAE	
Asclepias lanuginosa	Woolly Milkweed
Asclepias meadii*	Mead's Milkweed
Asclepias ovalifolia	Oval Milkweed
Asclepias stenophylla	Narrow-leaved Green Milkweed
Matelea decipiens	Climbing Milkweed
ASTERACEAE	
Artemisia dracunculus	Dragon Wormwood
Cirsium pitcheri*	Pitcher's (Dune) Thistle
Eupatorium hyssopifolium	Hyssop-leaved Thoroughwort
Helianthus angustifolius	Narrow-leaved Sunflower
Helianthus giganteus	Tall Sunflower
Hymenopappus scabiosaeus	Old Plainsman
Megalodonta beckii	Water Marigold
Melanthera nivea	White Melanthera
Nothocalais cuspidata	Prairie Dandelion
Tetaneuris herbacea*	Lakeside Daisy
BETULACEAE	
Alnus incana subsp. rugosa	Speckled Alder
Betula alleghaniensis	Yellow Birch
BORAGINACEAE	
Hackelia deflexa var. americana	Stickseed
Heliotropium tenellum	Slender Heliotrope
BRASSICACEAE	
Cardamine pratensis var. palustris	Cuckoo Flower

<i>Draba cuneifolia</i>	Whitlow Grass
<i>Physaria ludoviciana</i>	Silvery Bladderpod
CACTACEAE	
<i>Opuntia fragilis</i>	Fragile Prickly Pear
CAPPARIDACEAE	
<i>Polanisia jamesii</i>	James' Clammyweed
CAPRIFOLIACEAE	
<i>Lonicera dioica</i> var. <i>glaucescens</i>	Red Honeysuckle
<i>Lonicera flava</i>	Yellow Honeysuckle
<i>Sambucus racemosa</i> subsp. <i>pubens</i>	Red-berried Elder
<i>Symphoricarpos albus</i> var. <i>albus</i>	Snowberry
CARYOPHYLLACEAE	
<i>Silene ovata</i>	Ovate Catchfly
<i>Silene regia</i>	Royal Catchfly
<i>Stellaria pubera</i>	Great Chickweed
CISTACEAE	
<i>Hudsonia tomentosa</i>	False Heather
<i>Lechea intermedia</i>	Savanna Pinweed
CLUSIACEAE	
<i>Hypericum adpressum</i>	Shore St. John's Wort
<i>Hypericum kalmianum</i>	Kalm's St. John's Wort
CONVOLVUACEAE	
<i>Stylisma pickeringii</i>	Patterson's Bindweed
CORNACEAE	
<i>Cornus canadensis</i>	Bunchberry
DROSERACEAE	
<i>Drosera rotundifolia</i>	Round-leaved Sundew
ELAEAGNACEAE	
<i>Shepherdia canadensis</i>	Buffaloberry
ERICACEAE	
<i>Andromeda glaucophylla</i>	Bog Rosemary
<i>Arctostaphylos uva-ursi</i>	Bearberry
<i>Vaccinium corymbosum</i>	Highbush Blueberry
<i>Vaccinium macrocarpon</i>	Large Cranberry
<i>Vaccinium oxycoccos</i>	Small Cranberry
<i>Vaccinium stamineum</i>	Deerberry
EUPHORBIACEAE	
<i>Chamaesyce polygonifolia</i>	Seaside Spurge
<i>Euphorbia spathulata</i>	Spurge
FABACEAE	
<i>Amorpha nitens</i>	Smooth False Indigo
<i>Astragalus crassicarpus</i> var. <i>trichocalyx</i>	Large Ground Plum
<i>Astragalus distortus</i>	Bent Milk Vetch

Astragalus tennesseensis	Tennessee Milk Vetch
Baptisia tinctoria	Yellow Wild Indigo
Cladrastis lutea	Yellowwood
Dalea foliosa **	Leafy Prairie Clover
Galactia mohlenbrockii	Boykin's Dioclea
Lespedeza leptostachya*	Prairie Bush Clover
Mimosa nuttallii	Cat's Claw
FAGACEAE	
Quercus texana	Nuttall's Oak
GENTIANACEAE	
Bartonia paniculata	Screwstem
Sabatia campestris	Prairie Rose Gentian
GERANIACEAE	
Geranium bicknellii	Northern Cranesbill
HYDROPHYLLACEAE	
Hydrolea uniflora	One-flowered Hydrolea
Nemophila triloba	Baby Blue-Eyes
Phacelia gilioides	Ozark Phacelia
JUGLANDACEAE	
Carya pallida	Pale Hickory
Juglans cinerea	Butternut
LENTIBULARIACEAE	
Utricularia cornuta	Horned Bladderwort
Utricularia minor	Small Bladderwort
Utricularia subulata	Hair Bladderwort
LOASACEAE	
Mentzelia oligosperma	Stickleaf
MALVACEAE	
Iliamna remota	Kankakee Mallow
Malvastrum hispidum	False Mallow
MELASTOMACEAE	
Rhexia mariana	Dull Meadow Beauty
MYRICACEAE	
Comptonia peregrina	Sweetfern
NYCTAGINACEAE	
Mirabilis hirsuta	Hairy Umbrella-wort
ONAGRACEAE	
Circaea alpina	Small Enchanter's Nightshade
OROBANCHACEAE	
Orobanche fasciculata	Clustered Broomrape
PAPAVERACEAE	
Corydalis aurea	Golden Corydalis
Corydalis halei	Hale's Corydalis
Corydalis sempervirens	Pink Corydalis

PLANTAGINACEAE	
<i>Plantago cordata</i>	Heart-leaved Plantain
POLEMONIACEAE	
<i>Phlox pilosa</i> subsp. <i>sangamonensis</i>	Sangamon Phlox
POLYGALACEAE	
<i>Polygala incarnata</i>	Pink Milkwort
POLYGONACEAE	
<i>Polygonum careyi</i>	Carey's Heartsease
<i>Tracaulon arifolium</i>	Halberd-leaved Tearthumb
PORTULACACEAE	
<i>Phemeranthus calycinus</i>	Fameflower
PRIMULACEAE	
<i>Lysimachia radicans</i>	Creeping Loosestrife
<i>Primula mistassinica</i>	Bird's-eye Primrose
<i>Trientalis borealis</i>	Star-flower
PYROLACEAE	
<i>Chimaphila maculata</i>	Spotted Wintergreen
<i>Chimaphila umbellata</i>	Pipsissewa
RANUNCULACEAE	
<i>Actaea podocarpa</i>	American Bugbane
<i>Actaea racemosa</i>	False Bugbane
<i>Actaea rubifolia</i>	Black Cohosh
<i>Clematis crispa</i>	Blue Jasmine
<i>Clematis viorna</i>	Leatherflower
<i>Delphinium carolinianum</i>	Hill Prairie Larkspur
<i>Ranunculus rhomboideus</i>	Prairie Buttercup
RHAMNACEAE	
<i>Berchemia scandens</i>	Supple Jack
<i>Ceanothus herbaceus</i>	Redroot
<i>Rhamnus alnifolia</i>	Alder Buckthorn
ROSACEAE	
<i>Amelanchier sanguinea</i>	Shadbush
<i>Malus angustifolia</i>	Narrow-leaved Crabapple
<i>Rosa acicularis</i>	Bristly Rose
<i>Sanguisorba canadensis</i>	American Burnet
<i>Sorbus americana</i>	American Mountain Ash
RUBIACEAE	
<i>Galium virgatum</i>	Dwarf Bedstraw
SALICACEAE	
<i>Populus balsamifera</i>	Balsam Poplar
<i>Salix serissima</i>	Autumn Willow
<i>Salix syrticola</i>	Dune Willow
SAPOTACEAE	
<i>Bumelia lanuginosa</i>	Woolly Buckthorn

SARRACENIACEAE	
<i>Sarracenia purpurea</i>	Pitcher Plant
SAXIFRAGACEAE	
<i>Ribes hirtellum</i>	Northern Gooseberry
<i>Micranthes virginensis</i>	Early Saxifrage
SCROPHULARIACEAE	
<i>Castilleja sessiliflora</i>	Downy Yellow Painted Cup
<i>Collinsia violacea</i>	Violet Collinsia
<i>Gratiola quartermaniae</i>	Hedge Hyssop
<i>Mimulus glabratus</i>	Yellow Monkey Flower
<i>Penstemon grandifloras</i>	Large Flowered Beard Tongue
<i>Penstemon tubaeiflorus</i>	Tube Beard Tongue
<i>Veronica americana</i>	American Brooklime
STYRACACEAE	
<i>Halesia carolina</i>	Silverbell Tree
<i>Styrax grandifolius</i>	Bigleaf Snowbell Bush
TILIACEAE	
<i>Tilia heterophylla</i>	White Basswood
ULMACEAE	
<i>Ulmus thomasii</i>	Rock Elm
VALERIANACEAE	
<i>Valeriana uliginosa</i>	Marsh Valerian
<i>Valerianella chenopodifolia</i>	Corn Salad
<i>Valerianella umbilicata</i>	Corn Salad
VIOLACEAE	
<i>Viola blanda</i>	Hairy White Violet
<i>Viola canadensis</i>	Canada Violet
<i>Viola primulifolia</i>	Primrose Violet

\* Federally designated threatened species

\*\* Federally designated endangered species

(Source: Amended at 44 Ill. Reg \_\_\_\_\_, effective May 28, 2020)

### Section 1050.40 Threatened Flora of Illinois

All federally designated endangered or threatened plant species and subspecies have been automatically placed on the Illinois List by the Board and are protected under the Illinois Endangered Species Protection Act even though their names do not appear in this Part. Only those federally designated endangered or threatened plant species and subspecies known to occur in Illinois are designated as Illinois-endangered or Illinois-threatened by the Board and their names appear in this Part. Users should refer to the US Fish and Wildlife Service at

[www.fws.gov/endangered/](http://www.fws.gov/endangered/) for a complete listing of all federally designated endangered and threatened species and subspecies.

SCIENTIFIC NAME	COMMON NAME
PHYSICIACEAE	
<i>Phaeophyscia leana</i>	Lea's Bog Lichen
EQUISETACEAE	
<i>Equisetum pratense</i>	Meadow Horsetail
LYCOPODIACEAE	
<i>Huperzia porophila</i>	Cliff Clubmoss
CUPRESSACEAE	
<i>Juniperus communis</i>	Ground Juniper
CYPERACEAE	
<i>Carex atlantica</i>	Sedge
<i>Carex aurea</i>	Golden Sedge
<i>Carex bromoides</i>	Sedge
<i>Carex cryptolepis</i>	Yellow Sedge
<i>Carex oxylepis</i>	Sharp-scaled Sedge
<i>Carex prasina</i>	Drooping Sedge
<i>Carex viridula</i>	Little Green Sedge
<i>Carex willdenowii</i>	Willdenow's Sedge
<i>Cyperus grayoides</i>	Umbrella Sedge
<i>Cyperus lancastrimensis</i>	Galingale
<i>Eleocharis rostellata</i>	Beaked Spike Rush
<i>Schoenoplectus hallii</i>	Hall's Bulrush
JUNCAGINACEAE	
<i>Triglochin maritima</i>	Common Bog Arrowgrass
<i>Triglochin palustris</i>	Slender Bog Arrowgrass
LILIACEAE	
<i>Stenanthium gramineum</i>	Grass-leaved Lily
<i>Tofieldia glutinosa</i>	False Asphodel
ORCHIDACEAE	
<i>Platanthera flava</i>	Tuberclad Orchid
POACEAE	
<i>Ammophila breviligulata</i>	Marram Grass
<i>Festuca paradoxa</i>	Cluster Fescue
POTAMOGETONACEAE	
<i>Potamogeton gramineus</i>	Grass-leaved Pondweed
ASTERACEAE	
<i>Aster furcatus</i>	Forked Aster
<i>Boltonia decurrens*</i>	Decurrent False Aster
<i>Rudbeckia missouriensis</i>	Missouri Orange Coneflower
<i>Solidago sciaphila</i>	Cliff Goldenrod
BRASSICACEAE	

<i>Cakile edentula</i> var. <i>lacustris</i>	Sea Rocket
CAPRIFOLIACEAE	
<i>Viburnum molle</i>	Arrowwood
CARYOPHYLLACEAE	
<i>Minuartia patula</i>	Slender Sandwort
CELASTRACEAE	
<i>Euonymus americanus</i>	American Strawberry Bush
CRASSULACEAE	
<i>Hylotelephium telephioides</i>	American Orpine
CUCURBITACEAE	
<i>Melothria pendula</i>	Squirting Cucumber
DROSERACEAE	
<i>Drosera intermedia</i>	Narrow-leaved Sundew
ERICACEAE	
<i>Chamaedaphne calyculata</i>	Leatherleaf
FABACEAE	
<i>Lathyrus ochroleucus</i>	Pale Vetchling
<i>Trifolium reflexum</i>	Buffalo Clover
FAGACEAE	
<i>Quercus montana</i>	Rock Chestnut Oak
<i>Quercus phellos</i>	Willow Oak
JUGLANDACEAE	
<i>Carya aquatica</i>	Water Hickory
JUNCACEAE	
<i>Juncus alpinoarticulatus</i>	Richardson's Rush
LAMIACEAE	
<i>Monarda clinopodia</i>	White Bergamot
<i>Salvia azurea</i>	Blue Sage
<i>Synandra hispidula</i>	Hairy Synandra
LENTIBULARIACEAE	
<i>Utricularia intermedia</i>	Flat-leaved Bladderwort
MENYANTHACEAE	
<i>Menyanthes trifoliata</i>	Buckbean
ONAGRACEAE	
<i>Epilobium strictum</i>	Downy Willow Herb
OROBANCHACEAE	
<i>Orobanche ludoviciana</i>	Broomrape
OXALIDACEAE	
<i>Oxalis illinoensis</i>	Illinois Wood Sorrel
PORTULACACEAE	
<i>Phemeranthus parviflorus</i>	Small Flower-of-an-hour
PRIMULACEAE	
<i>Dodecatheon frenchii</i>	French's Shooting Star
RANUNCULACEAE	

Ranunculus harveyi	Harvey's Buttercup
ROSACEAE	
Amelanchier interior	Shadbush
Filipendula rubra	Queen-of-the-Prairie
Rubus odoratus	Purple-flowering Raspberry
Rubus pubescens	Dwarf Raspberry
Rubus schneideri	Bristly Blackberry
SAXIFRAGACEAE	
Sullivantia sullivantii	Sullivantia
SCROPHULARIACEAE	
Agalinis skinneriana	Pale False Foxglove
Besseyia bullii	Kitten Tails
Buchnera americana	Bluehearts
Veronica scutellata	Marsh Speedwell
STYRACACEAE	
Styrax americana	Storax
ULMACEAE	
Planera aquatica	Water Elm
URTICACEAE	
Urtica chamaedryoides	Nettle

\* Federally designated threatened species

\*\* Federally designated endangered species.

(Source: Amended at 44 Ill. Reg \_\_\_\_\_, effective May 28, 2020)